

CERTIFICATE OF ANALYSIS



1777 SUN PEAK DRIVE
PARK CITY, UT 84098

Life-Flo Magnesium Oil Sport Roll-On with CBD, 2 fl oz

Product: 70232

Packaged Lot: 8071874

Production Date: 17-Sept-2019

CBD Lot: 94930213

Use by: Sept 2021

Units Made: 869

Ingredient Name	Manufacturer	Item Number	Lot Number
Magnesium Gel	Zechstein Minerals BV	7001560	89389081
L-Carnosine	Suan Farma Inc	130370	32477375
CBD Oil Powder	Materia Organica LLC	2029861	94930213
Polysorbate 20	Bell Chem	4240790	90055882
Arnica Montana 1X	Vitality Works	5136971	66571872
Menthol	Spectrum Chemical	8695666	83321402
Peppermint Oil Redistilled	Ungerer & Company	2136341	65986759
Eucalyptus EO	Liberty Natural Products	9837371	86633636

	Analysis	Specification	Result	Method
Active	Cannabidiol	100 mg/fl oz	108.49 mg/fl oz	J AOAC 2015 V98-6
	Tetrahydrocannabinol	Less than 0.3 %	Less than 0.006%	J AOAC 2015 V98-6
	<i>*Testing done by Pixis Labs, Portland, Oregon</i>			
Heavy Metals	Arsenic	< 0.10 ppm	< 0.0422 ppm	AOAC 2013.06 mod.
	Cadmium	< 0.10 ppm	< 0.0422 ppm	AOAC 2013.06 mod.
	Lead	< 0.10 ppm	< 0.0422 ppm	AOAC 2013.06 mod.
	Mercury	< 0.10 ppm	< 0.0211 ppm	AOAC 2013.06 mod.
	<i>*Testing done by Pixis Labs, Portland, Oregon</i>			
Microbiological	Total Plate Count	< 1,000 CFU/g	<10 CFU/g	AOAC 990.12
	Mold	< 500 CFU/g	<10 CFU/g	AOAC 2014.05 Rapid
	Yeast	< 500 CFU/g	<10 CFU/g	AOAC 2014.05 Rapid
	Coliform	< 10 CFU/g	<10 CFU/g	AOAC 991.14
	E. coli	< 10 CFU/g	<10 CFU/g	AOAC 991.14
	E. coli 0157:H7	Negative	Negative	AOAC 2017.01
	Salmonella spp.	Negative	Negative	AOAC 2016.01
	Listeria spp.	Negative	Negative	AOAC 2016.07
	Pseudomonas spp.	< 10 CFU/g	<10 CFU/g	ISO 13720:1995
	Staph	< 10 CFU/g	<10 CFU/g	AOAC 2003.07
	<i>*Testing done by Pixis Labs, Portland, Oregon</i>			
Pesticides	Hemp Screen	USP 561	Below LOQ	AOAC 2007.01, EN 15662
	Glyphosate	40 CFR 180.364	Below LOQ	QuPPE-method, EURL-SR
	<i>*Testing done by Pixis Labs, Portland, Oregon</i>			
Residual Solvents	Test for Residual Solvents	Negative	Below LOQ	EPC5021A
	<i>*Testing done by Pixis Labs, Portland, Oregon</i>			

Approved by:

Joel Tippetts, VP - Quality



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Job Number: 19-009684
Report Number: 19-009684-00
Report Date: 08/26/2019
ORELAP#: OR100028
Purchase Order:
Received: 08/14/19 11:15

This report cannot be used for ODA, OHA or OLCC compliance requirements.

Product identity:	S206836.5 CBD Oil Powder	Client/Metric ID:	.
Laboratory ID:	19-009684-0004	Sample Date:	08/12/19 15:30

Summary

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Customer: Sustainable Labs, Inc.
1777 Sun Peak Drive
Park City Utah 84060
United States

Product identity: S206836.5 CBD Oil Powder

Client/Metric ID: .

Sample Date: 08/12/19 15:30

Laboratory ID: 19-009684-0004

Relinquished by: Received By Mail

Temp: 25.6 °C

Sample Results

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	1907342	08/17/19	AOAC 990.12 (Petrifilm)	X
E.coli	< LOQ		cfu/g	10	1907344	08/17/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1907344	08/17/19	AOAC 991.14 (Petrifilm)	X
Staphylococcus aureus	< LOQ		cfu/g	10	1907345	08/16/19	AOAC 2003.07	X
Mold	< LOQ		cfu/g	10	1907343	08/17/19	AOAC 2014.05 (RAPID)	X
Yeast	< LOQ		cfu/g	10	1907343	08/17/19	AOAC 2014.05 (RAPID)	X
Salmonella spp.	Negative		/5g		1907346	08/16/19	AOAC 2016.01	X
Listeria spp.	Negative		/5g		1907349	08/16/19	AOAC 2016.07	X
E.coli O157:H7	Negative		/5g		1907350	08/16/19	AOAC 2017.01	X



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Solvents						Method EPA5021A	Units µg/g	Batch 1907510	Analyze 08/20/19 06:15 PM					
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes			
1-Butanol†	< LOQ		500			1-Pentanol†	< LOQ		500					
1,2-Dichloroethane†	< LOD		1.00			1,4-Dioxane	< LOQ		100					
2-Butanol	< LOQ		200			2-Ethoxyethanol	< LOQ		30.0					
2-methyl-1-propanol†	< LOQ		500			2-Methylbutane	< LOQ		200					
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ		200					
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< LOQ		200					
2,3-Dimethylbutane	< LOQ		30.0			3-Methyl-(1)-Butanol†	< LOQ		500					
3-Methylpentane	< LOQ		30.0			Acetone	< LOQ		200					
Acetonitrile	< LOQ		100			Anisole†	< LOQ		500					
Benzene	< LOQ		1.00			Butanes (sum)	0.000		400					
Butyl acetate†	< LOQ		500			Chloroform†	ND		1.00					
Cyclohexane	< LOQ		200			Ethyl acetate	< LOQ		200					
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ		200					
Ethyl Formate†	< LOQ		500			Ethylene glycol	< LOQ		200					
Ethylene oxide	ND		1.00			Hexanes (sum)	< LOQ		150					
Isobutyl acetate†	< LOQ		500			Isopropyl acetate	< LOQ		200					
Isopropylbenzene	< LOQ		30.0			m,p-Xylene	< LOQ		200					
Methanol	< LOQ		200			Methyl-t-butyl ether†	< LOQ		500					
Methylacetat†	< LOQ		500			Methylene chloride	ND		1.00					
Methylethylketone†	< LOQ		500			Methylisobutylketone†	< LOQ		500					
Methylpropane	< LOQ		200			n-Butane	< LOQ		200					
n-Heptane	< LOQ		200			n-Hexane	< LOQ		30.0					
n-Pentane	< LOQ		200			n-Propanol†	< LOQ		500					
o-Xylene	< LOQ		200			Pentanes (sum)	< LOQ		600					
Propane	< LOQ		200			Propyl Acetate†	< LOQ		500					
Tetrahydrofuran	< LOQ		100			Toluene	< LOQ		100					
Total Residual Solvents	< LOQ		5,000			Total Xylenes	< LOQ		400					
Total Xylenes and Ethyl	< LOQ		600			Trichloroethylene†	ND		1.00					



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Pesticides						Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 1907420 Analyze 08/16/19 06:25 PM					
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass	
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass	
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.100	pass		Carbaryl	< LOQ	0.20	0.100	pass	
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass	
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass	
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin (incl.	< LOQ	1.0	0.500	pass	
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass	
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass	
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass	
Etofenprox	< LOQ	0.40	0.200	pass		Etoxazole	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass	
Fipronil	< LOQ	0.40	0.200	pass		Flonicamid	< LOQ	1.0	0.400	pass	
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass	
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass	
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass	
Metaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass	
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass	
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass	
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass	
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass	
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass	
Prallethrin	< LOQ	0.20	0.100	pass		Propiconazole	< LOQ	0.40	0.200	pass	
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrin I (total)	< LOQ	1.0	0.500	pass	
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass	
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass	
Spiroxamine	< LOQ	0.40	0.200	pass		Tebuconazole	< LOQ	0.40	0.200	pass	
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass	
Trifloxystrobin	< LOQ	0.20	0.100	pass							

Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes	
Arsenic	< LOQ		mg/kg	0.0477	1907468	08/19/19	AOAC 2013.06 (mod.)	X	
Cadmium	< LOQ		mg/kg	0.0477	1907468	08/19/19	AOAC 2013.06 (mod.)	X	
Lead	< LOQ		mg/kg	0.0477	1907468	08/19/19	AOAC 2013.06 (mod.)	X	
Mercury	< LOQ		mg/kg	0.0239	1907503	08/20/19	AOAC 2013.06 (mod.)	X	



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

Units of Measure

cfu/g = Colony forming units per gram

µg/g = Microgram per gram

mg/kg = Milligram per kilogram = parts per million (ppm)

/5g = Per 5 grams

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



This report cannot be used for ODA, OHA or OLCC compliance requirements.

12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

ORELAP ID: OR100028

Company: Sustainable Labs, Inc.		Analysis Requested										Purchase Order Number:				
Contact: Lisa Feldt		Pesticides – OR 59 compounds Pesticide Multi-Residue – 379 compounds Potency Residual Solvents Water Activity Moisture Terpenes Micro: Yeast and Mold Micro: E. Coli and Total Coliform Heavy Metals Mycotoxins Other	PO# NV7202716								Project Number:					
Address: 1777 Sun Peak Drive, Park City, UT			Billing: Sustainable Labs, Inc. 1777 Sun Peak Drive Park City, UT 84098 Attn: Jacque Robins jrobins@nutracorp.com								Project Name:					
Email: lfeldt@nutracorp.com											☐ Report Instructions: ☐ Send to State - METRC ☒ Email Final Results: ☐ Fax Final Results ☐ Cash/Check/CC/Net 30					
Phone: 801-808-9006 Fax:											Other:					
Processor's License:																
please email results to lfeldt@nutracorp.com																
Field ID	Date/Time Collected												Matrix	Weight	Serving size for edibles	Comments/Metric ID
s206553.4 CBD 15mg Sleep (BKCO-34)	8-12-19 3:30pm								X	X			Capsule	0.6542g	CFU/g	Micro Profile X
s206554.4 CBD 15mg Pain (BKCO-36)	8-12-19 3:30pm								X	X			Capsule	0.6564g	CFU/g	Micro Profile X
s206556.4 CBD 15mg Stress (BKCO-32)	8-12-19 3:30pm								X	X			Capsule	0.6435g	CFU/g	Micro Profile X
s206836.5 CBD Oil Powder	8-12-19 3:30pm								X	X			powder		CFU/g	Micro Profile X

Collected By: 2C	Relinquished By: Lisa Feldt	Date: 8-12-19	Time: 3:30	Received by: Med	Date: 8-14-19	Time: 11:15	Lab Use Only: Client Alias: Order Number: Proper Container: Sample Condition: Temperature: Shipped Via: Evidence of cooling: ☐ No
☒ Standard (5 day) ☐ Rush (3-4 day) (1.5x Standard) ☐ Priority Rush (2 day) (2x Standard)							

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM

Revision: 2.00 Control#: CF023
Effective 04/29/2019 Revised 04/29/2019

www.pixislabs.com
www.columbiafoodlab.com

Page 1 of 2



This report cannot be used for ODA, OHA or OLCC compliance requirements.

12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

PRICING AND CHARGES

Prices to be charged for work performed for CUSTOMER are those currently published in the Columbia Food Laboratories, Inc. DBA Pixis Labs (herein referred to as "the LAB", where Columbia Food Laboratories, Inc. & Pixis Labs can be used interchangeably) standard price book unless otherwise agreed in writing by the CUSTOMER and the LAB. CUSTOMER must notify the LAB of price quotation at the time of the transfer of sample(s) to the LAB. Any cancellation of testing requirements will result in charges being assessed on all testing completed prior to the notice of cancellation. Unless otherwise agreed upon, samples containing hazardous material will be shipped back to client at their expense, or disposed of at a certain fee, waste category dependent. New accounts are accepted with full payment in advance by cash, check, Visa or Mastercard. A credit line may be established with an approved credit application.

DELIVERY AND LIABILITY LIMITATIONS

The specific format of the goods will be defined by CUSTOMER to the LAB upon delivery of the sample(s) to the LAB. The LAB will analyze samples provided by CUSTOMER as requested by CUSTOMER in accordance with the procedures documented in the Quality Assurance Plan (QAP). Samples are retained for 30 days after receipt. If additional time is desired, then a written request is required and an additional monthly fee will apply. This price quote is only valid for one year.

CONFIDENTIALITY

The LAB will treat all information regarding work performed for CUSTOMER as proprietary and confidential. No CUSTOMER information will be released to third persons without the written request of the CUSTOMER.

LIMITATION OF LIABILITY AND WARRANTY

The LAB gives no warranty, express or implied, or of fitness for a particular purpose, in connection with its analytical testing or reporting. Any liability of the LAB to CUSTOMER or any third party shall be limited to the cost of analysis charged to CUSTOMER.

PAST DUE ACCOUNTS

Credit line account are payable within 30 days. Accounts that are 60 days past due will incur 1 1/2% per month on all past due sums until paid in full and will automatically default to cash on delivery (COD). Reports will not be released unless payment on past and current invoices are received. Customer agrees to pay the interest as a service charge and all the LAB's collection costs, including reasonable attorney fees.

EXPERT TESTIMONY AND COURT APPEARANCES

In the event CUSTOMER requires the further written opinion or testimony of any employee of the LAB, including response to a subpoena issued by CUSTOMER or any third person, CUSTOMER agrees to pay such additional fees and expenses as may be reasonably assessed by the LAB.

ALTERNATIVE DISPUTE RESOLUTION (ADR)

Any disputes arising out of this Agreement or the analytical testing or reporting by the LAB shall be settled through mediation and/or arbitration rather than litigation, and the cost of the ADR shall be borne equally by both parties.

APPLICABLE LAW

Legal matters arising from work performed by the LAB for CUSTOMER will be construed and interpreted in accordance with the laws for the state of Oregon. When sending, transferring, or submitting samples, the CUSTOMER assumes full responsibility for complying with all applicable state and federal laws.



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**Columbia Food/Pixis Labs
Sample Receipt Form**

Revision: 1.00 Document Control: CF015
Revised: 04/25/2019 Effective: 05/11/2019

Job Number: 19-09684 Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 8-14-19 Time: 11:15

Received By (Initials): meu

- 1) Were custody seals on outside of the package/cooler? YES NO NA
If YES, how many and where? _____
Were signature and date correct? _____ YES NO NA
- 2) Were custody papers included in the package/cooler? YES NO NA
- 3) Were custody papers properly filled out (ink, sign, date)? YES NO NA
- 4) Did you sign custody papers in the appropriate place? YES NO NA
- 5) How was the package/cooler delivered?

UPS FEDEX USPS CLIENT COURIER OTHER: _____

Tracking Number (written in or copy of shipping label): attached

- 6) Was packing material used? YES NO NA
Peanuts Bubble Wrap Foam Paper Other: _____
- 7) Was sufficient ice used (if appropriate)? YES NO NA
What kind?
Blue Ice Ice Cooler Packs Dry Ice
- 8) Were all sample containers sealed in separate plastic bags? YES NO NA
- 9) Did all sample containers arrive in good condition? YES NO NA
- 10) Were all sample container labels complete? YES NO NA
- 11) Did all sample container labels and tags agree with the coc? YES NO NA
- 12) Were correct sample containers used for the tests indicated? YES NO NA
- 13) Were VOA vials checked for absence of air bubbles (note if found)? YES NO NA
- 14) Was a sufficient amount of sample sent in each sample container? YES NO NA
- 15) Temperature of the samples upon receipt (See SOP for proper temps) 25.6 °C
- 16) Sample location prior to login: R25 R39 R44 F44 Ambient Shelf Cannabis Table Other: _____

Explain any discrepancies: small samples

Page 1 of 1



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Revision: 0.01 Control: CFL-C22
Revised: 12/4/2018 Effective: 12/4/2018

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662			Units: mg/Kg		Batch ID: 1907420			
Method Blank				Laboratory Control Sample				
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	ND	< 0.200		1.070	1.000	107.0	70 - 130	
Acequinocyl	ND	< 1.000		4.030	4.000	100.8	70 - 130	
Acetamiprid	ND	< 0.100		0.417	0.400	104.3	70 - 130	
Aldicarb	ND	< 0.200		0.860	0.800	107.5	70 - 130	
Abamectin	ND	< 0.288		1.040	1.000	104.0	70 - 130	
Azoxystrobin	ND	< 0.100		0.440	0.400	110.0	70 - 130	
Bifenazate	ND	< 0.100		0.425	0.400	106.3	70 - 130	
Bifenthrin	ND	< 0.100		0.380	0.400	95.0	70 - 130	
Boscalid	ND	< 0.100		0.880	0.800	110.0	70 - 130	
Carbaryl	ND	< 0.100		0.408	0.400	102.0	70 - 130	
Carbofuran	ND	< 0.100		0.425	0.400	106.3	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.373	0.400	93.3	70 - 130	
Chlorfenapyr	ND	< 1.000		2.120	2.000	106.0	70 - 130	
Chlorpyrifos	ND	< 0.100		0.386	0.400	96.5	70 - 130	
Clofentezine	ND	< 0.100		0.412	0.400	103.0	70 - 130	
Cyfluthrin	ND	< 1.000		2.070	2.000	103.5	30 - 150	
Cypermethrin	ND	< 1.000		2.080	2.000	104.0	70 - 130	
Daminozide	ND	< 1.000		2.020	2.000	101.0	30 - 150	
Diazinon	ND	< 0.100		0.424	0.400	106.0	70 - 130	
Dichlorvos	ND	< 0.500		2.150	2.000	107.5	70 - 130	
Dimethoat	ND	< 0.100		0.420	0.400	105.0	70 - 130	
Ethoprophos	ND	< 0.100		0.420	0.400	105.0	70 - 130	
Etofenprox	ND	< 0.100		0.844	0.800	105.5	70 - 130	
Etoxazol	ND	< 0.100		0.434	0.400	108.5	70 - 130	
Fenoxycarb	ND	< 0.100		0.419	0.400	104.8	70 - 130	
Fenpyroximat	ND	< 0.100		0.872	0.800	109.0	70 - 130	
Fipronil	ND	< 0.100		0.897	0.800	112.1	70 - 130	
Flonicamid	ND	< 0.400		1.010	1.000	101.0	70 - 130	
Fludioxonil	ND	< 0.100		0.848	0.800	106.0	70 - 130	
Hexythiazox	ND	< 0.400		1.060	1.000	106.0	70 - 130	
Imazalil	ND	< 0.100		0.442	0.400	110.5	70 - 130	
Imidacloprid	ND	< 0.200		0.855	0.800	106.9	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.842	0.800	105.3	70 - 130	
Malathion	ND	< 0.100		0.432	0.400	108.0	70 - 130	
Metaxalyl	ND	< 0.100		0.453	0.400	113.3	70 - 130	
Methiocarb	ND	< 0.100		0.442	0.400	110.5	70 - 130	
Methomyl	ND	< 0.200		0.771	0.800	96.4	70 - 130	
MGK 264	ND	< 0.100		0.415	0.400	103.8	70 - 130	
Myclobutanil	ND	< 0.100		0.435	0.400	108.8	70 - 130	
Naled	ND	< 0.200		1.020	1.000	102.0	70 - 130	
Oxamyl	ND	< 0.400		1.840	2.000	92.0	70 - 130	
Paclobutrazol	ND	< 0.200		0.850	0.800	106.3	70 - 130	
Parathion Methyl	ND	< 0.200		0.691	0.800	86.4	30 - 150	
Permethrin	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Phosmet	ND	< 0.100		0.435	0.400	108.8	70 - 130	
Piperonyl butoxide	ND	< 1.000		2.280	2.000	114.0	70 - 130	
Prallethrin	ND	< 0.200		0.812	0.800	101.5	70 - 130	
Propiconazole	ND	< 0.200		0.839	0.800	104.9	70 - 130	
Propoxur	ND	< 0.100		0.386	0.400	96.5	70 - 130	
Pyrethrins	ND	< 0.500		0.318	0.284	112.0	70 - 130	
Pyridaben	ND	< 0.100		0.416	0.400	104.0	70 - 130	
Spinosad	ND	< 0.100		0.432	0.388	111.3	70 - 130	
Spiromesifen	ND	< 0.100		0.402	0.400	100.5	70 - 130	
Spirotetramat	ND	< 0.100		0.418	0.400	104.5	70 - 130	
Spiroxamine	ND	< 0.100		0.900	0.800	112.5	70 - 130	
Tebuconazol	ND	< 0.200		0.892	0.800	111.5	70 - 130	
Thiacloprid	ND	< 0.100		0.428	0.400	107.0	70 - 130	
Thiamethoxam	ND	< 0.100		0.411	0.400	102.8	70 - 130	
Trifloxystrobin	ND	< 0.100		0.428	0.400	107.0	70 - 130	



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Revision: 0.01 Control: CFL-C22
Revised: 12/4/2018 Effective: 12/4/2018

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662				Units: mg/Kg			Batch ID: 1907420				
Matrix Spike/Matrix Spike Duplicate Recoveries					Sample ID: 19-009712-0002						
Analyte	Result	MS Res	MSD Res	Spike	RPD%	MS % Rec	MSD % Rec	Limits	Notes		
Acephate	0.000	0.817	0.904	1.000	10.1	< 30	81.7	90.4	50 - 150		
Acequinocyl	0.000	4.800	3.910	4.000	20.4	< 30	120.0	97.8	50 - 150		
Acetamiprid	0.000	0.422	0.434	0.400	2.8	< 30	105.5	108.5	50 - 150		
Aldicarb	0.000	0.862	0.843	0.800	2.2	< 30	107.8	105.4	50 - 150		
Abamectin	0.000	1.280	1.320	1.000	3.1	< 30	128.0	132.0	50 - 150		
Azoxystrobin	0.000	0.505	0.482	0.400	4.7	< 30	126.2	120.5	50 - 150		
Bifenazate	0.000	0.438	0.443	0.400	1.1	< 30	109.5	110.8	50 - 150		
Bifenthrin	0.000	1.280	1.170	0.400	9.0	< 30	320.0	292.5	50 - 150	Q1	
Boscalid	0.000	0.819	0.822	0.800	0.4	< 30	102.4	102.8	50 - 150		
Carbaryl	0.000	0.434	0.440	0.400	1.4	< 30	108.5	110.0	50 - 150		
Carbofuran	0.000	0.439	0.422	0.400	3.9	< 30	109.8	105.5	50 - 150		
Chlorantraniliprol	0.000	0.426	0.394	0.400	7.8	< 30	106.5	98.5	50 - 150		
Chlorfenapyr	0.000	2.460	2.250	2.000	8.9	< 30	123.0	112.5	50 - 150		
Chlorpyrifos	0.000	0.879	0.839	0.400	4.7	< 30	219.8	209.8	50 - 150	Q1	
Clofentezine	0.000	0.495	0.509	0.400	2.8	< 30	123.8	127.3	50 - 150		
Cyfluthrin	0.000	3.790	3.470	2.000	8.8	< 30	189.5	173.5	30 - 150	Q1	
Cypermethrin	0.000	2.020	1.950	2.000	3.5	< 30	101.0	97.5	50 - 150		
Daminozide	0.000	2.100	2.160	2.000	2.8	< 30	105.0	108.0	30 - 150		
Diazinon	0.000	0.469	0.495	0.400	5.4	< 30	117.3	123.8	50 - 150		
Dichlorvos	0.000	2.080	2.160	2.000	3.8	< 30	104.0	108.0	50 - 150		
Dimethoat	0.000	0.431	0.437	0.400	1.4	< 30	107.8	109.3	50 - 150		
Ethoprophos	0.000	0.456	0.476	0.400	4.3	< 30	114.0	119.0	50 - 150		
Etofenprox	0.000	1.000	0.909	0.800	9.5	< 30	125.0	113.6	50 - 150		
Etoxazol	0.000	0.505	0.481	0.400	4.9	< 30	126.3	120.3	50 - 150		
Fenoxycarb	0.000	0.420	0.438	0.400	4.2	< 30	105.0	109.5	50 - 150		
Fenpyroximat	0.000	0.799	0.800	0.800	0.1	< 30	99.9	100.0	50 - 150		
Fipronil	0.000	1.050	1.090	0.800	3.7	< 30	131.3	136.3	50 - 150		
Flonicamid	0.000	1.030	0.968	1.000	6.2	< 30	103.0	96.8	50 - 150		
Fludioxonil	0.000	0.850	0.834	0.800	1.9	< 30	106.3	104.3	50 - 150		
Hexythiazox	0.000	2.460	2.570	1.000	4.4	< 30	246.0	257.0	50 - 150	Q1	
Imazalil	0.000	0.388	0.392	0.400	1.0	< 30	97.0	98.0	50 - 150		
Imidacloprid	0.000	0.837	0.904	0.800	7.7	< 30	104.6	113.0	50 - 150		
Kresoxim-Methyl	0.000	0.948	0.926	0.800	2.3	< 30	118.5	115.8	50 - 150		
Malathion	0.000	0.476	0.500	0.400	4.9	< 30	119.0	125.0	50 - 150		
Metaxalyl	0.000	0.472	0.457	0.400	3.2	< 30	118.0	114.3	50 - 150		
Methiocarb	0.000	0.440	0.479	0.400	8.5	< 30	110.0	119.8	50 - 150		
Methomyl	0.000	0.725	0.746	0.800	2.9	< 30	90.6	93.3	50 - 150		
MKG 264	0.000	0.500	0.501	0.400	0.2	< 30	125.0	125.3	50 - 150		
Myclobutanil	0.000	0.422	0.432	0.400	2.3	< 30	105.5	108.0	50 - 150		
Naled	0.000	1.110	1.120	1.000	0.9	< 30	111.0	112.0	50 - 150		
Oxamyl	0.000	1.900	2.000	2.000	5.1	< 30	95.0	100.0	50 - 150		
Paclobutrazol	0.000	0.873	0.913	0.800	4.5	< 30	109.1	114.1	50 - 150		
Parathion Methyl	0.000	0.679	0.728	0.800	7.0	< 30	84.9	91.0	30 - 150		
Permethrin	0.000	0.541	0.491	0.400	9.7	< 30	135.3	122.8	50 - 150		
Phosmet	0.000	0.417	0.446	0.400	6.7	< 30	104.3	111.5	50 - 150		
Piperonyl butoxide	0.000	2.410	2.370	2.000	1.7	< 30	120.5	118.5	50 - 150		
Prallethrin	0.000	1.290	1.390	0.800	7.5	< 30	161.3	173.8	50 - 150	Q1	
Propiconazole	0.000	0.924	0.907	0.800	1.9	< 30	115.5	113.4	50 - 150		
Propoxur	0.000	0.416	0.409	0.400	1.7	< 30	104.0	102.3	50 - 150		
Pyrethrins	0.000	0.337	0.388	0.284	14.1	< 30	118.7	136.6	50 - 150		
Pyridaben	0.000	0.342	0.357	0.400	4.3	< 30	85.5	89.3	50 - 150		
Spinosad	0.000	0.436	0.433	0.388	0.7	< 30	112.4	111.6	50 - 150		
Spiromesifen	0.000	0.560	0.575	0.400	2.6	< 30	140.0	143.8	50 - 150		
Spirotetramat	0.000	0.365	0.374	0.400	2.4	< 30	91.3	93.5	50 - 150		
Sproxamine	0.000	0.864	0.859	0.800	0.6	< 30	108.0	107.4	50 - 150		
Tebuconazol	0.000	0.796	0.841	0.800	5.5	< 30	99.5	105.1	50 - 150		
Thiacloprid	0.000	0.410	0.439	0.400	6.8	< 30	102.5	109.8	50 - 150		
Thiamethoxam	0.000	0.405	0.424	0.400	4.6	< 30	101.3	106.0	50 - 150		
Trifloxystrobin	0.000	0.458	0.466	0.400	1.2	< 30	114.5	116.5	50 - 150		



Job Number: 19-009684
Report Number: 19-009684-00
Report Date: 08/26/2019
ORELAP#: OR100028
Purchase Order:
Received: 08/14/19 11:15

This report cannot be used for ODA, OHA or OLCC compliance requirements.

Laboratory Quality Control Results									
EPA 5021					Batch ID: 1907510				
Method Blank					Laboratory Control Sample				
Analyte	Result	LOQ	Notes	Result	Spike	Units	%Rec	Limits	Notes
Propane	ND	< 200		1250	1200	µg/g	104.2	70 - 130	
Isobutane	ND	< 200		1640	1570	µg/g	104.5	70 - 130	
Butane	ND	< 200		1610	1570	µg/g	102.5	70 - 130	
2,2-dimethylpropane	ND	< 200		2140	1980	µg/g	108.1	70 - 130	
Methanol	ND	< 200		2220	2450	µg/g	90.6	70 - 130	
Ethylene Oxide	ND	< 30		124	119	µg/g	104.2	70 - 130	
2-Methylbutane	ND	< 200		2220	2470	µg/g	89.9	70 - 130	
n-Pentane	ND	< 200		2170	2400	µg/g	90.4	70 - 130	
Ethanol	ND	< 200		2180	2440	µg/g	89.3	70 - 130	
Ethyl Ether	ND	< 200		2130	2380	µg/g	89.5	70 - 130	
2,2-Dimethylbutane	ND	< 30		581	652	µg/g	89.1	70 - 130	
Acetone	ND	< 200		2160	2400	µg/g	90.0	70 - 130	
Isopropyl alcohol	ND	< 200		2270	2520	µg/g	90.1	70 - 130	
Ethyl Formate	ND	< 500		1770	2440	µg/g	72.5	70 - 130	
Acetonitrile	ND	< 100		845	941	µg/g	89.8	70 - 130	
Methyl Acetate	ND	< 500		1900	2450	µg/g	77.6	70 - 130	
2,3-Dimethylbutane	ND	< 30		592	638	µg/g	92.8	70 - 130	
Dichloromethane	ND	< 200		1460	1610	µg/g	90.7	70 - 130	
2-Methylpentane	ND	< 30		265	293	µg/g	90.4	70 - 130	
MTBE	ND	< 500		1870	2440	µg/g	76.6	70 - 130	
3-Methylpentane	ND	< 30		282	317	µg/g	89.0	70 - 130	
Hexane	ND	< 30		268	312	µg/g	85.9	70 - 130	
1-Propanol	ND	< 500		1870	2350	µg/g	79.6	70 - 130	
Methylethylketone	ND	< 500		1890	2400	µg/g	78.8	70 - 130	
Ethyl acetate	ND	< 200		2180	2400	µg/g	90.8	70 - 130	
2-Butanol	ND	< 200		2220	2390	µg/g	92.9	70 - 130	
Tetrahydrofuran	ND	< 100		848	948	µg/g	89.5	70 - 130	
Cyclohexane	ND	< 200		2190	2400	µg/g	91.3	70 - 130	
2-methyl-1-propanol	ND	< 500		1910	2400	µg/g	79.6	70 - 130	
Benzene	ND	< 1		34.9	47	µg/g	74.3	70 - 130	
Isopropyl Acetate	ND	< 200		2210	2390	µg/g	92.5	70 - 130	
Heptane	ND	< 200		2230	2380	µg/g	93.7	70 - 130	
1-Butanol	ND	< 500		1860	2370	µg/g	78.5	70 - 130	
Propyl Acetate	ND	< 500		2000	2470	µg/g	81.0	70 - 130	
1,4-Dioxane	ND	< 100		887	956	µg/g	92.6	70 - 130	
2-Ethoxyethanol	ND	< 30		319	337	µg/g	94.7	70 - 130	
Methylisobutylketone	ND	< 500		2040	2460	µg/g	82.9	70 - 130	
3-Methyl-1-butanol	ND	< 500		2050	2400	µg/g	85.4	70 - 130	
Ethylene Glycol	ND	< 200		2160	2370	µg/g	91.1	70 - 130	
Toluene	ND	< 200		891	938	µg/g	95.0	70 - 130	
Isobutyl Acetate	ND	< 500		2010	2450	µg/g	82.0	70 - 130	
1-Pentanol	ND	< 500		2110	2440	µg/g	86.5	70 - 130	
Butyl Acetate	ND	< 500		2290	2750	µg/g	83.3	70 - 130	
Ethylbenzene	ND	< 200		1870	2380	µg/g	78.6	70 - 130	
m,p-Xylene	ND	< 200		1890	1930	µg/g	97.9	70 - 130	
o-Xylene	ND	< 200		1870	1910	µg/g	97.9	70 - 130	
Cumene	ND	< 30		297	302	µg/g	98.3	70 - 130	
Anisole	ND	< 500		2040	2450	µg/g	83.3	70 - 130	



Job Number: 19-009684
Report Number: 19-009684-00
Report Date: 08/26/2019
ORELAP#: OR100028
Purchase Order:
Received: 08/14/19 11:15

This report cannot be used for ODA, OHA or OLCC compliance requirements.

QC - Sample Duplicate

Sample ID: 19-0095070001

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
Propane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-dimethylpropane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
n-Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isopropyl alcohol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Formate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
MTBE	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methylethylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL

RPD - Relative Percent Difference

LOQ - Limit of Quantitation

* Screening only

Q1 - Quality Control result biased high. Only non detect samples reported.

Units of Measure:

µg/g - Microgram per gram or ppm

mg/kg - Milligrams per Kilogram

Aw - Water Activity unit



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Job Number: 19-011302
Report Number: 19-011302-00
Report Date: 09/26/2019
ORELAP#: OR100028
Purchase Order:
Received: 09/18/19 11:30

This report cannot be used for ODA, OHA or OLCC compliance requirements.

Product identity: s208995.5 Magnesium Oil Sport Roll On
Laboratory ID: 19-011302-0008
Client/Metric ID: .
Sample Date: 09/17/19 15:30

Summary

Pesticides:

Analyte	Result (mg/kg)	Limits (mg/kg)	Status
Multi-Residue Pesticide Profile ¹	< LOQ for all analytes		



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Customer: Sustainable Labs, Inc.
1777 Sun Peak Drive
Park City Utah 84060
United States

Product identity: s208995.5 Magnesium Oil Sport Roll On

Client/Metric ID: .

Sample Date: 09/17/19 15:30

Laboratory ID: 19-011302-0008

Relinquished by: Received By Mail

Temp: 21.6 °C

Sample Results

Pesticides	Method AOAC 2007.01 & EN 15662 (mod)					Units mg/kg	Batch 1908549	Analyze 09/24/19 12:52 PM				
Analyte	Result	Limits	LOQ	Status	Notes	Analyte		Result	Limits	LOQ	Status	Notes
Multi-Residue Pesticide	< LOQ for all analytes											

Individual Analyses												
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes				
Glyphosate†	< LOQ		mg/kg	0.0500	1908587	09/24/19	QuPPE-method, EURL-SR					



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

Units of Measure

mg/kg = Milligram per kilogram = parts per million (ppm)

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)
Abamectin	0.100	CIPC	1.000	Endrin	0.100
Acephate	0.100	Clethodim	0.050	EPN	0.050
Acequinocyl	0.100	Clethodim Sulfone	0.050	EPTC	0.100
Acetamiprid	0.020	Clethodim Sulfoxide	0.050	Esfenvalerate/Fenvalerate	0.200
Acetochlor	0.100	Clofentezine	0.020	Etaconazole	0.100
Acifluorfen	0.100	Clomazone	0.020	Ethalfuralin	0.100
Acrinathrin	0.100	Clothianidin	0.200	Ethiofencarb	0.050
Alachlor	0.100	Coumaphos	0.050	Ethion	0.200
Aldicarb	0.100	Crotoxyphos	0.020	Ethirimol	0.100
Aldicarb sulfoxide	0.100	Cyanazine	0.020	Ethofumesate	0.050
Aldoxycarb (Aldicarb-sulfone)	0.100	Cyanofenphos	0.020	Ethoprophos	0.020
Aldrin	0.100	Cyantraniliprole	0.050	Etofenprox	0.020
Ametoctradin	0.020	Cyazofamid	0.020	Etoxazole	0.020
Ametryn	0.500	Cycloate	0.100	Etridiazole	0.100
Aspon	0.100	Cyfluthrin	0.200	Etrifos	0.020
Asulam	0.100	Cyhalothrin, lambda	0.200	Famoxadone	0.200
Atrazine	0.100	Cymoxanil	0.050	Famphur	0.100
Atrazine-desethyl	0.100	Cypermethrin	0.200	Fenamidone	0.020
Azinphos-ethyl	0.020	Cyprodinil	0.100	Fenamiphos	0.020
Azinphos-methyl	0.020	Dacthal	0.100	Fenamiphos sulfone	0.020
Azoxystrobin	0.020	Daminozide	0.100	Fenamiphos sulfoxide	0.020
Benalaxyl	0.020	DCPMU	0.050	Fenazaquin	0.100
Bendiocarb	0.020	DDD, o,p'-	0.100	Fenbuconazole	0.100
Benfluralin	0.100	DDD, p,p'-	0.100	Fenchlorphos	0.100
Benoxacor	0.050	DDE, o,p'-	0.100	Fenchlorphos-oxon	0.100
Bensulide	0.050	DDE, p,p'-	0.100	Fenhexamid	0.100
BHC alpha isomer	0.100	DDT, o,p'-	0.100	Fenitrothion	0.100
BHC beta isomer	0.100	DDT, p,p'-	0.100	Fenobucarb	0.050
BHC delta isomer	0.500	DEF (Tribufos)	0.100	Fenoxycarb	0.020
Bifenazate	0.020	Deltamethrin	0.100	Fenpropathrin	0.050
Bifenthrin	0.020	Desmedipham	0.100	Fenpyroximate	0.020
Boscalid	0.020	Diallate	0.100	Fenson	0.100
Bromophos-ethyl	0.100	Diazinon	0.020	Fensulfothion	0.020
Bromophos-methyl	0.200	Diazoxon	0.100	Fensulfothion oxon	0.020
Bromopropylate	0.100	Dichlobenil	0.100	Fensulfothion sulfone	0.100
Bromuconazole	0.100	Dichlofluanid	0.100	Fensulfothion-oxon-sulfone	0.020
Bupirimate	0.020	Dichlorvos	0.100	Fenthion	0.050
Buprofezin	0.050	Diclobutrazol	0.050	Fenthion oxon	0.020
Butachlor	0.500	Dicofol	0.100	Fenthion oxon sulfone	0.100
Butralin	0.200	Dicrotophos	0.050	Fenthion oxon sulfoxide	0.020
Butylate	0.100	Dieldrin	0.100	Fenthion sulfoxide	0.100
Cadusafos	0.020	Diethofencarb	0.020	Fenthion sulfone	0.050
Captan	1.000	Diethyltoluamide (DEET)	0.050	Fenuron	0.020
Carbaryl	0.050	Difenoconazole	0.100	Fipronil	0.100
Carbendazim	0.100	Dimethenamid	0.050	Flonicamid	0.100
Carbofuran	0.020	Dimethoate	0.050	Fluchloralin	0.100
Carbophenothion	0.100	Dimethomorph	0.020	Flucythrinate	0.100
Carbophenothion-methyl	0.100	Diniconazole	0.200	Fludioxonil	0.200
Carboxin	0.020	Dinotefuran	0.200	Flufenacet	0.020
Carfentrazone-ethyl	0.100	Dioxathion	0.100	Flumioxazin	0.100
Chlorantraniliprole	0.020	Diphenamid	0.020	Fluometuron	0.020
Chlordane, cis-	0.200	Diphenylamine	0.100	Flupicolide	0.050
Chlordane, trans-	0.200	Disulfoton	0.100	Fluopyram	0.020
Chlorfenapyr	0.500	Disulfoton sulfone	0.100	Fluoxastrobin	0.050
Chlorfenoson	0.200	Disulfoton sulfoxide	0.100	Flupyradifurone	0.020
Chlorfenvinphos	0.050	Diuron	0.050	Fluridone	0.100
Chlorobenzilate	0.100	Edifenphos	0.050	Flusilazole	0.020
Chloroneb	0.200	Endosulfan alpha	0.200	Flutolanil	0.020
Chlorpyrifos	0.050	Endosulfan beta	0.200	Flutriafol	0.020
Chlorpyrifos-methyl	0.200	Endosulfan sulfate	0.100	Fluvalinate, tau-	0.100
				Fluxapyroxad	0.020



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Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)
Fomesafen	0.100	Mexacarbate	0.020	Propamocarb	0.050
Fonofos	0.100	MGK 264	0.020	Propanil	0.050
Forchlorfenuron	0.050	Mirex	0.100	Propargite	0.050
Formetanate	0.050	Molinate	0.050	Propazine	0.020
Furathiocarb	0.020	Monocrotophos	0.100	Propetamphos	0.050
Heptachlor	0.100	Monolinuron	0.020	Propham	0.050
Heptachlor epoxide	0.100	Myclobutanil	0.050	Propiconazole	0.050
Heptenophos	0.100	Naled	0.100	Propoxur	0.050
Hexachlorobenzene	0.100	Napropamide	0.050	Propoxycarbazono Na	0.050
Hexaconazole	0.100	Neburon	0.020	Propyzamide	0.050
Hexazinone	0.100	Nitrapyrin	0.100	Prothiofos	0.100
Hexythiazox	0.020	Norflurazon	0.050	Pyraclostrobin	0.020
Imazalil	0.100	Omethoate	0.100	Pyrazophos	0.050
Imidacloprid	0.100	O-Phenylphenol	0.100	Pyrethrins	0.050
Imidoxone	0.020	Oxadixyl	0.100	Pyridaben	0.020
Indaziflam	0.020	Oxamyl	0.100	Pyridafol	0.100
Indoxacarb	0.020	Oxamyl-oxime	0.100	Pyridate	0.020
Iprobenfos	0.100	Oxychlordane	0.100	Pyrimethanil	0.050
Iprodione	0.100	Oxydemeton-Methyl	0.100	Pyriproxifen	0.020
Isobenzan	0.100	Oxythioquinox	0.200	Pyroxasulfone	0.020
Isocarbophos	0.500	Paclobutrazol	0.050	Pyroxulam	0.020
Isodrin	0.100	Paraoxon-ethyl	0.020	Quinalphos	0.050
Isofenphos	0.050	Paraoxon methyl	0.100	Quinoxyfen	0.050
Isofenphos-methyl	0.020	Parathion ethyl	0.100	Quintozene (PCNB)	0.200
Isofenphos oxon	0.050	Parathion methyl	0.200	Resmethrin	0.050
Isoprocarb	0.020	Penconazole	0.050	Rotenone	0.050
Isopropalin	0.200	Pendimethalin	0.050	S421	0.100
Isoprothiolane	0.050	Penflufen	0.020	Simazine	0.100
Isoproturon	0.050	Pentachloroaniline	0.100	Simetryn	0.200
Isoxaben	0.050	Pentachloroanisole	0.100	Spinetoram	0.020
Isoxaflutole	0.050	Pentachlorobenzene (PCB)	0.100	Spinosad	0.050
Kresoxim-methyl	0.050	Pentachlorothioanisole (PCTA)	0.100	Spirodiclofen	0.100
Lactofen	0.500	Penthiopyrad	0.020	Spiromesifen	0.050
Lenacil	0.100	Permethrin	0.050	Spirotetramat	0.050
Lindane (gamma BHC)	0.100	Perthane	0.100	Spiroxamine	0.020
Linuron	0.020	Phenmedipham	0.050	Sulfotep	0.050
Malaaxon	0.050	Phenthoate	0.050	Sulfoxaflor	0.050
Malathion	0.050	Phorate	0.050	Sulprofos	0.020
Mandipropamid	0.020	Phorate oxon	0.100	Tebuconazole	0.100
Mecarbam	0.020	Phorate Sulfone	0.050	Tebufenozide	0.020
Mepanipyrim	0.050	Phorate Sulfoxide	0.050	Tebuthiuron	0.020
Merphos	0.500	Phosalone	0.050	Tecnazene	0.100
Metalaxyl	0.050	Phosmet	0.100	Tefluthrin	0.100
Metaldehyde	0.050	Phosphamidon	0.050	Terbufos	0.020
Metconazole	0.100	Phoxim	0.050	Terbufos sulfone	0.050
Methacrifos	0.100	Pinoxaden	0.020	Terbufos sulfoxide	0.050
Methamidophos	0.050	Piperonyl butoxide	0.050	Terbuthylazine	0.020
Methidathion	0.050	Pirimicarb	0.020	Terbutryn	0.020
Methiocarb	0.050	Pirimiphos-methyl	0.050	Tetrachlorvinphos	0.050
Methiocarb sulfone	0.100	Pirimiphos-ethyl	0.020	Tetraconazole	0.050
Methiocarb sulfoxide	0.100	Pirimiphos methyl N-desethyl	0.100	Tetradifon	0.200
Methomyl	0.100	Prallethrin	0.100	Tetramethrin	0.050
Methoxychlor	0.100	Prochloraz	0.020	Tetrasul	0.100
Methoxyfenozide	0.020	Procymidone	0.100	Thiabendazole	0.100
Metobromuron	0.050	Profenofos	0.100	Thiabendazole, 5-hydroxy	0.100
Metolachlor	0.100	Profluralin	0.100	Thiacloprid	0.050
Metolcarb	0.050	Promecarb	0.050	Thiamethoxam	0.100
Metrafenone	0.050	Prometon	0.100	Thiobencarb	0.050
Metribuzin	0.100	Prometryn	0.020	Thiodicarb	0.050
Mevinphos	0.100	Propachlor	0.020	Thiophanate-methyl	0.050



This report cannot be used for ODA, OHA or OLCC compliance requirements.

PIXIS Labs
Cannabis Multi-Residue Profile, Limits of Quantitation

Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)
Tolclofos-methyl	0.100	Triazophos	0.020	Trifloxystrobin	0.020
Triforin	0.100	Tolyfluanid	0.050	Triticonazole	0.050
Tralkoxydim	0.100	Tridiphane	0.500	Vinclozolin	0.100
Triadimefon	0.050	Triflumizole	0.020	Zoxamide	0.020
Triallate	0.100	Trifluralin	0.100		

LOQ = Limit of Quantitation, mg/kg

Factors affecting the LOQ include instrumentation sensitivity for a particular analyte, sample size, moisture content (percent solids) of the sample, effectiveness of the cleanup on the sample extract, and especially the type of sample matrix.



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12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

19-011302

ORELAP ID: OR100028

Company: Sustainable Labs, Inc.		Analysis Requested										Purchase Order Number:				
Contact: Lisa Feldt		Pesticides – OR 59 compounds Pesticide Multi-Residue – 379 compounds Potency Residual Solvents Water Activity Moisture Terpenes Micro: Yeast and Mold Micro: E. Coli and Total Coliform Heavy Metals Mycotoxins Other	PO# NV7280590								Project Number:					
Address: 1777 Sun Peak Drive, Park City, UT			Billing: Sustainable Labs, Inc. 1777 Sun Peak Drive Park City, UT 84098 Attn: Jacque Robins jrobins@nutracorp.com								Project Name:					
Email: lfeldt@nutracorp.com											☐ Report Instructions: ☐ Send to State - METRC ☒ Email Final Results: ☐ Fax Final Results ☐ Cash/Check/CC/Net 30					
Phone: 801-808-9006 Fax:											Other:					
Processor's License:																
please email results to lfeldt@nutracorp.com																
Field ID	Date/Time Collected												Matrix	Weight	Serving size for edibles	Comments/Metric ID
s208950.1 Magnesium Oil Night	9-17-19 3:30pm		X										Liquid/Edible			Cannabidiol 95.00 - 135.00 mg/oz (Water Soluble)
s208950.3 Magnesium Oil Night	9-17-19 3:30pm										X		Liquid			HM Panel As, Cd, Mg, Pb
s208950.4 Magnesium Oil Night	9-17-19 3:30pm						X	X					Liquid			Micro Profile X & Pseudomonas
s208950.5 Magnesium Oil Night	9-17-19 3:30pm	X										X	Liquid			Pesticide Expanded & Glyphosates

Collected By: 2C	Relinquished By: Lisa Feldt	Date 9-10-19	Time 3:30	Received by: <i>cmv</i>	Date 9-18-19	Time 11:30	Lab Use Only: Client Alias: Order Number: Proper Container Sample Condition Temperature: 21.6 Shipped Via: UPS Evidence of cooling: ☐ No
☒ Standard (5 day)							
☐ Rush (3-4 day) (1.5x Standard)							
☐ Priority Rush (2 day) (2x Standard)							

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM

Revision: 2.00 Control#: CF023
Effective 04/29/2019 Revised 04/29/2019

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www.columbiafoodlab.com

Page 1 of 2



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12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

PRICING AND CHARGES

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DELIVERY AND LIABILITY LIMITATIONS

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In the event CUSTOMER requires the further written opinion or testimony of any employee of the LAB, including response to a subpoena issued by CUSTOMER or any third person, CUSTOMER agrees to pay such additional fees and expenses as may be reasonably assessed by the LAB.

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APPLICABLE LAW

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12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

19-011302

ORELAP ID: OR100028

Company: Sustainable Labs, Inc.		Analysis Requested												Purchase Order Number:			
Contact: Lisa Feldt		PO# NV7280590 Billing: Sustainable Labs, Inc. 1777 Sun Peak Drive Park City, UT 84098 Attn: Jacque Robins jrobins@nutracorp.com												Project Number:			
Address: 1777 Sun Peak Drive, Park City, UT														Project Name:			
Email: lfeldt@nutracorp.com														☐ Report Instructions: ☐ Send to State - METRC ☒ Email Final Results: ☐ Fax Final Results ☐ Cash/Check/CC/Net 30			
Phone: 801-808-9006 Fax:														Other:			
Processor's License:																	
please email results to lfeldt@nutracorp.com																	
Field ID	Date/Time Collected	Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: E. Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Matrix	Weight	Serving size for edibles	Comments/Metric ID
s208995.1 Magnesium Oil Sport Roll On	9-17-19 3:30pm			X										Liquid/Edible			Cannabidiol 95.00 - 135.00 mg/oz (Water Soluble)
s208995.3 Magnesium Oil Sport Roll On	9-17-19 3:30pm										X			Liquid			HM Panel As, Cd, Mg, Pb
s208995.4 Magnesium Oil Sport Roll On	9-17-19 3:30pm								X	X				Liquid			Micro Profile X & Pseudomonas
s208995.5 Magnesium Oil Sport Roll On	9-17-19 3:30pm		X									X		Liquid			Pesticide Expanded & Glyphosates

Collected By: 2C	Relinquished By: Lisa Feldt	Date 9-10-19	Time 3:30	Received by: C/mv	Date 9-18-19	Time 11:30	Lab Use Only: Client Alias: Order Number: Proper Container: Sample Condition: Temperature: Shipped Via: UPS Evidence of cooling: ☒ No
☒ Standard (5 day)							
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Revision: 2.00 Control#: CF023
Effective 04/29/2019 Revised 04/29/2019

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Page 1 of 2



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12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

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12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

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**Columbia Food/Pixis Labs
Sample Receipt Form**

Revision: 1.00 Document Control: CF015
Revised: 04/25/2019 Effective: 05/11/2019

Job Number: 19-011302 Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 9-18-19 Time: 11:30

Received By (Initials): JJ

1) Were custody seals on outside of the package/cooler?
If YES, how many and where? _____ YES NO NA

Were signature and date correct? ----- YES NO NA

2) Were custody papers included in the package/cooler? YES NO NA

3) Were custody papers properly filled out (ink, sign, date)? YES NO NA

4) Did you sign custody papers in the appropriate place? YES NO NA

5) How was the package/cooler delivered?

UPS FEDEX USPS CLIENT COURIER OTHER: _____

Tracking Number (written in or copy of shipping label): 1Z A36 348 01 3531 5687

6) Was packing material used? YES NO NA

Peanuts Bubble Wrap Foam Paper Other:

7) Was sufficient ice used (if appropriate)?
What kind? YES NO NA

Blue Ice Ice Cooler Packs Dry Ice

8) Were all sample containers sealed in separate plastic bags? YES NO NA

9) Did all sample containers arrive in good condition? YES NO NA

10) Were all sample container labels complete? YES NO NA

11) Did all sample container labels and tags agree with the coc? YES NO NA

12) Were correct sample containers used for the tests indicated? YES NO NA

13) Were VOA vials checked for absence of air bubbles (note if found)? YES NO NA

14) Was a sufficient amount of sample sent in each sample container? YES NO NA

15) Temperature of the samples upon receipt (See SOP for proper temps) 21.6°C

16) Sample location prior to login: R25 R39 R44 F44 Ambient Shelf Cannabis Table Other: _____

Explain any discrepancies: _____

Page 1 of 1



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Job Number: 19-011302-R001
Report Number: 19-011302-00
Report Date: 10/08/2019
ORELAP#: OR100028
Purchase Order:
Received: 09/18/19 11:30

Product identity: s208995.4 Magnesium Oil Sport Roll **Client/Metric ID:** .
Laboratory ID: 19-011302-0007 **Sample Date:** 09/17/19 15:30

Summary

Microbiology:

Less than LOQ for all analytes.



Customer: Sustainable Labs, Inc.
1777 Sun Peak Drive
Park City Utah 84060
United States

Product identity: s208995.4 Magnesium Oil Sport Roll On
Client/Metric ID: .
Sample Date: 09/17/19 15:30
Laboratory ID: 19-011302-0007
Relinquished by: Received By Mail
Temp: 21.6 °C

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	1908800	10/02/19	AOAC 990.12 (Petrifilm)	X
E.coli	< LOQ		cfu/g	10	1908798	10/03/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1908798	10/03/19	AOAC 991.14 (Petrifilm)	X
Staphylococcus aureus	< LOQ		cfu/g	10	1908801	10/02/19	AOAC 2003.07	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	1908795	10/03/19	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	1908795	10/03/19	AOAC 2014.05 (RAPID)	X
Salmonella spp.	Negative		/10g		1908805	10/02/19	AOAC 2016.01	X
Listeria spp.	Negative		/10g		1908806	10/02/19	AOAC 2016.07	X
E.coli O157:H7	Negative		/25g		1908808	10/02/19	AOAC 2017.01	X
Pseudomonas spp.	< LOQ		cfu/g	10	1908813	10/03/19	ISO 13720:1995	X

This report cannot be used for ODA, OHA or OLCC compliance requirements.



Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Units of Measure

/25g = Per 25g

cfu/g = Colony forming units per gram

/10g = Per 10 grams

% wt = $\mu\text{g/g}$ divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Job Number: 19-011302
Report Number: 19-011302-00
Report Date: 09/30/2019
ORELAP#: OR100028
Purchase Order:
Received: 09/18/19 11:30

This report cannot be used for ODA, OHA or OLCC compliance requirements.

Product identity: s208995.3 Magnesium Oil Sport Roll On **Client/Metric ID:** .
Laboratory ID: 19-011302-0006 **Sample Date:** 09/17/19 15:30

Summary

Metals:

Less than LOQ for all analytes.



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Customer: Sustainable Labs, Inc.
1777 Sun Peak Drive
Park City Utah 84060
United States

Product identity: s208995.3 Magnesium Oil Sport Roll On

Client/Metric ID: .

Sample Date: 09/17/19 15:30

Laboratory ID: 19-011302-0006

Relinquished by: Received By Mail

Temp: 21.6 °C

Sample Results

Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0422	1908555	09/23/19	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.0422	1908555	09/23/19	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0422	1908555	09/23/19	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0211	1908713	09/26/19	AOAC 2013.06 (mod.)	X



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Units of Measure

mg/kg = Milligram per kilogram = parts per million (ppm)

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)
Abamectin	0.100	CIPC	1.000	Endrin	0.100
Acephate	0.100	Clethodim	0.050	EPN	0.050
Acequinocyl	0.100	Clethodim Sulfone	0.050	EPTC	0.100
Acetamiprid	0.020	Clethodim Sulfoxide	0.050	Esfenvalerate/Fenvalerate	0.200
Acetochlor	0.100	Clofentezine	0.020	Etaconazole	0.100
Acifluorfen	0.100	Clomazone	0.020	Ethalfuralin	0.100
Acrinathrin	0.100	Clothianidin	0.200	Ethiofencarb	0.050
Alachlor	0.100	Coumaphos	0.050	Ethion	0.200
Aldicarb	0.100	Crotoxyphos	0.020	Ethirimol	0.100
Aldicarb sulfoxide	0.100	Cyanazine	0.020	Ethofumesate	0.050
Aldoxycarb (Aldicarb-sulfone)	0.100	Cyanofenphos	0.020	Ethoprophos	0.020
Aldrin	0.100	Cyantraniliprole	0.050	Etofenprox	0.020
Ametoctradin	0.020	Cyazofamid	0.020	Etioazale	0.020
Ametryn	0.500	Cycloate	0.100	Etridiazole	0.100
Aspon	0.100	Cyfluthrin	0.200	Etrifos	0.020
Asulam	0.100	Cyhalothrin, lambda	0.200	Famoxadone	0.200
Atrazine	0.100	Cymoxanil	0.050	Famphur	0.100
Atrazine-desethyl	0.100	Cypermethrin	0.200	Fenamidone	0.020
Azinphos-ethyl	0.020	Cyprodinil	0.100	Fenamiphos	0.020
Azinphos-methyl	0.020	Dacthal	0.100	Fenamiphos sulfone	0.020
Azoxystrobin	0.020	Daminozide	0.100	Fenamiphos sulfoxide	0.020
Benalaxyl	0.020	DCPMU	0.050	Fenazaquin	0.100
Bendiocarb	0.020	DDD, o,p'-	0.100	Fenbuconazole	0.100
Benfluralin	0.100	DDD, p,p'-	0.100	Fenchlorphos	0.100
Benoxacor	0.050	DDE, o,p'-	0.100	Fenchlorphos-oxon	0.100
Bensulide	0.050	DDE, p,p'-	0.100	Fenhexamid	0.100
BHC alpha isomer	0.100	DDT, o,p'-	0.100	Fenitrothion	0.100
BHC beta isomer	0.100	DDT, p,p'-	0.100	Fenobucarb	0.050
BHC delta isomer	0.500	DEF (Tribufos)	0.100	Fenoxycarb	0.020
Bifentazate	0.020	Deltamethrin	0.100	Fenpropathrin	0.050
Bifenthrin	0.020	Desmedipham	0.100	Fenpyroximate	0.020
Boscalid	0.020	Diallate	0.100	Fenson	0.100
Bromophos-ethyl	0.100	Diazinon	0.020	Fensulfothion	0.020
Bromophos-methyl	0.200	Diazoxon	0.100	Fensulfothion oxon	0.020
Bromopropylate	0.100	Dichlobenil	0.100	Fensulfothion sulfone	0.100
Bromuconazole	0.100	Dichlofluanid	0.100	Fensulfothion-oxon-sulfone	0.020
Bupirimate	0.020	Dichlorvos	0.100	Fenthion	0.050
Buprofezin	0.050	Diclobutrazol	0.050	Fenthion oxon	0.020
Butachlor	0.500	Dicofol	0.100	Fenthion oxon sulfone	0.100
Butralin	0.200	Dicrotophos	0.050	Fenthion oxon sulfoxide	0.020
Butylate	0.100	Dieldrin	0.100	Fenthion sulfoxide	0.100
Cadusafos	0.020	Diethofencarb	0.020	Fenthion sulfone	0.050
Captan	1.000	Diethyltoluamide (DEET)	0.050	Fenuron	0.020
Carbaryl	0.050	Difenoconazole	0.100	Fipronil	0.100
Carbendazim	0.100	Dimethenamid	0.050	Flonicamid	0.100
Carbofuran	0.020	Dimethoate	0.050	Fluchloralin	0.100
Carbophenothion	0.100	Dimethomorph	0.020	Flucythrinate	0.100
Carbophenothion-methyl	0.100	Diniconazole	0.200	Fludioxonil	0.200
Carboxin	0.020	Dinotefuran	0.200	Flufenacet	0.020
Carfentrazone-ethyl	0.100	Dioxathion	0.100	Flumioxazin	0.100
Chlorantraniliprole	0.020	Diphenamid	0.020	Fluometuron	0.020
Chlordane, cis-	0.200	Diphenylamine	0.100	Flupicolide	0.050
Chlordane, trans-	0.200	Disulfoton	0.100	Fluopyram	0.020
Chlorfenapyr	0.500	Disulfoton sulfone	0.100	Fluoxastrobin	0.050
Chlorfenoson	0.200	Disulfoton sulfoxide	0.100	Flupyradifurone	0.020
Chlorfenvinphos	0.050	Diuron	0.050	Fluridone	0.100
Chlorobenzilate	0.100	Edifenphos	0.050	Flusilazole	0.020
Chloroneb	0.200	Endosulfan alpha	0.200	Flutolanil	0.020
Chlorpyrifos	0.050	Endosulfan beta	0.200	Flutriafol	0.020
Chlorpyrifos-methyl	0.200	Endosulfan sulfate	0.100	Fluvalinate, tau-	0.100
				Fluxapyroxad	0.020



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Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)
Fomesafen	0.100	Mexacarbate	0.020	Propamocarb	0.050
Fonofos	0.100	MGK 264	0.020	Propanil	0.050
Forchlorfenuron	0.050	Mirex	0.100	Propargite	0.050
Formetanate	0.050	Molinate	0.050	Propazine	0.020
Furathiocarb	0.020	Monocrotophos	0.100	Propetamphos	0.050
Heptachlor	0.100	Monolinuron	0.020	Propham	0.050
Heptachlor epoxide	0.100	Myclobutanil	0.050	Propiconazole	0.050
Heptenophos	0.100	Naled	0.100	Propoxur	0.050
Hexachlorobenzene	0.100	Napropamide	0.050	Propoxycarbazona Na	0.050
Hexaconazole	0.100	Neburon	0.020	Propyzamide	0.050
Hexazinone	0.100	Nitrapyrin	0.100	Prothiofos	0.100
Hexythiazox	0.020	Norflurazon	0.050	Pyraclostrobin	0.020
Imazalil	0.100	Omethoate	0.100	Pyrazophos	0.050
Imidacloprid	0.100	O-Phenylphenol	0.100	Pyrethrins	0.050
Imidoxone	0.020	Oxadixyl	0.100	Pyridaben	0.020
Indaziflam	0.020	Oxamyl	0.100	Pyridafol	0.100
Indoxacarb	0.020	Oxamyl-oxime	0.100	Pyridate	0.020
Iprobenfos	0.100	Oxychlorane	0.100	Pyrimethanil	0.050
Iprodione	0.100	Oxydemeton-Methyl	0.100	Pyriproxifen	0.020
Isobenzan	0.100	Oxythioquinox	0.200	Pyroxasulfone	0.020
Isocarbophos	0.500	Paclobutrazol	0.050	Pyroxulam	0.020
Isodrin	0.100	Paraaxon-ethyl	0.020	Quinalphos	0.050
Isofenphos	0.050	Paraaxon methyl	0.100	Quinoxyfen	0.050
Isofenphos-methyl	0.020	Parathion ethyl	0.100	Quintozene (PCNB)	0.200
Isofenphos oxon	0.050	Parathion methyl	0.200	Resmethrin	0.050
Isoprocarb	0.020	Penconazole	0.050	Rotenone	0.050
Isopropalin	0.200	Pendimethalin	0.050	S421	0.100
Isoprothiolane	0.050	Penflufen	0.020	Simazine	0.100
Isoproturon	0.050	Pentachloroaniline	0.100	Simetryn	0.200
Isoxaben	0.050	Pentachloroanisole	0.100	Spinetoram	0.020
Isoxaflutole	0.050	Pentachlorobenzene (PCB)	0.100	Spinosad	0.050
Kresoxim-methyl	0.050	Pentachlorothioanisole (PCTA)	0.100	Spirodiclofen	0.100
Lactofen	0.500	Penthiopyrad	0.020	Spiromesifen	0.050
Lenacil	0.100	Permethrin	0.050	Spirotetramat	0.050
Lindane (gamma BHC)	0.100	Perthane	0.100	Spiroxamine	0.020
Linuron	0.020	Phenmedipham	0.050	Sulfotep	0.050
Malaaxon	0.050	Phenthoate	0.050	Sulfoxaflor	0.050
Malathion	0.050	Phorate	0.050	Sulprofos	0.020
Mandipropamid	0.020	Phorate oxon	0.100	Tebuconazole	0.100
Mecarbam	0.020	Phorate Sulfone	0.050	Tebufenozide	0.020
Mepanipyrim	0.050	Phorate Sulfoxide	0.050	Tebuthiuron	0.020
Merphos	0.500	Phosalone	0.050	Tecnazene	0.100
Metalaxyl	0.050	Phosmet	0.100	Tefluthrin	0.100
Metaldehyde	0.050	Phosphamidon	0.050	Terbufos	0.020
Metconazole	0.100	Phoxim	0.050	Terbufos sulfone	0.050
Methacrifos	0.100	Pinoxaden	0.020	Terbufos sulfoxide	0.050
Methamidophos	0.050	Piperonyl butoxide	0.050	Terbuthylazine	0.020
Methidathion	0.050	Pirimicarb	0.020	Terbutryn	0.020
Methiocarb	0.050	Pirimiphos-methyl	0.050	Tetrachlorvinphos	0.050
Methiocarb sulfone	0.100	Pirimiphos-ethyl	0.020	Tetraconazole	0.050
Methiocarb sulfoxide	0.100	Pirimiphos methyl N-desethyl	0.100	Tetradifon	0.200
Methomyl	0.100	Prallethrin	0.100	Tetramethrin	0.050
Methoxychlor	0.100	Prochloraz	0.020	Tetrasul	0.100
Methoxyfenozide	0.020	Procymidone	0.100	Thiabendazole	0.100
Metobromuron	0.050	Profenofos	0.100	Thiabendazole, 5-hydroxy	0.100
Metolachlor	0.100	Profluralin	0.100	Thiacloprid	0.050
Metolcarb	0.050	Promecarb	0.050	Thiamethoxam	0.100
Metrafenone	0.050	Prometon	0.100	Thiobencarb	0.050
Metribuzin	0.100	Prometryn	0.020	Thiodicarb	0.050
Mevinphos	0.100	Propachlor	0.020	Thiophanate-methyl	0.050



This report cannot be used for ODA, OHA or OLCC compliance requirements.



PIXIS Labs
Cannabis Multi-Residue Profile, Limits of Quantitation

Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)
Tolclofos-methyl	0.100	Triazophos	0.020	Trifloxystrobin	0.020
Triforin	0.100	Tolyfluanid	0.050	Triticonazole	0.050
Tralkoxydim	0.100	Tridiphane	0.500	Vinclozolin	0.100
Triadimefon	0.050	Triflumizole	0.020	Zoxamide	0.020
Triallate	0.100	Trifluralin	0.100		

LOQ = Limit of Quantitation, mg/kg

Factors affecting the LOQ include instrumentation sensitivity for a particular analyte, sample size, moisture content (percent solids) of the sample, effectiveness of the cleanup on the sample extract, and especially the type of sample matrix.



This report cannot be used for ODA, OHA or OLCC compliance requirements.

12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

19-011302

ORELAP ID: OR100028

Company: Sustainable Labs, Inc.		Analysis Requested										Purchase Order Number:				
Contact: Lisa Feldt		Pesticides - OR 59 compounds Pesticide Multi-Residue - 379 compounds Potency Residual Solvents Water Activity Moisture Terpenes Micro: Yeast and Mold Micro: E. Coli and Total Coliform Heavy Metals Mycotoxins Other	PO# NV7280590								Project Number:					
Address: 1777 Sun Peak Drive, Park City, UT			Billing: Sustainable Labs, Inc. 1777 Sun Peak Drive Park City, UT 84098 Attn: Jacque Robins jrobins@nutracorp.com								Project Name:					
Email: lfeldt@nutracorp.com											☐ Report Instructions: ☐ Send to State - METRC ☒ Email Final Results: ☐ Fax Final Results ☐ Cash/Check/CC/Net 30					
Phone: 801-808-9006 Fax:											Other:					
Processor's License:																
please email results to lfeldt@nutracorp.com																
Field ID	Date/Time Collected												Matrix	Weight	Serving size for edibles	Comments/Metric ID
s208950.1 Magnesium Oil Night	9-17-19 3:30pm		X										Liquid/Edible			Cannabidiol 95.00 - 135.00 mg/oz (Water Soluble)
s208950.3 Magnesium Oil Night	9-17-19 3:30pm										X		Liquid			HM Panel As, Cd, Mg, Pb
s208950.4 Magnesium Oil Night	9-17-19 3:30pm						X	X					Liquid			Micro Profile X & Pseudomonas
s208950.5 Magnesium Oil Night	9-17-19 3:30pm	X										X	Liquid			Pesticide Expanded & Glyphosates

Collected By: 2C	Relinquished By: Lisa Feldt	Date 9-10-19	Time 3:30	Received by: <i>cmv</i>	Date 9-18-19	Time 11:30	Lab Use Only: Client Alias: Order Number: Proper Container Sample Condition Temperature: 21.6 Shipped Via: UPS Evidence of cooling: ☐ No
☒ Standard (5 day)							
☐ Rush (3-4 day) (1.5x Standard)							
☐ Priority Rush (2 day) (2x Standard)							

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM

Revision: 2.00 Control#: CF023
Effective 04/29/2019 Revised 04/29/2019

www.pixislabs.com
www.columbiafoodlab.com

Page 1 of 2



This report cannot be used for ODA, OHA or OLCC compliance requirements.

12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

PRICING AND CHARGES

Prices to be charged for work performed for CUSTOMER are those currently published in the Columbia Food Laboratories, Inc. DBA Pixis Labs (herein referred to as "the LAB", where Columbia Food Laboratories, Inc. & Pixis Labs can be used interchangeably) standard price book unless otherwise agreed in writing by the CUSTOMER and the LAB. CUSTOMER must notify the LAB of price quotation at the time of the transfer of sample(s) to the LAB. Any cancellation of testing requirements will result in charges being assessed on all testing completed prior to the notice of cancellation. Unless otherwise agreed upon, samples containing hazardous material will be shipped back to client at their expense, or disposed of at a certain fee, waste category dependent. New accounts are accepted with full payment in advance by cash, check, Visa or Mastercard. A credit line may be established with an approved credit application.

DELIVERY AND LIABILITY LIMITATIONS

The specific format of the goods will be defined by CUSTOMER to the LAB upon delivery of the sample(s) to the LAB. The LAB will analyze samples provided by CUSTOMER as requested by CUSTOMER in accordance with the procedures documented in the Quality Assurance Plan (QAP). Samples are retained for 30 days after receipt. If additional time is desired, then a written request is required and an additional monthly fee will apply. This price quote is only valid for one year.

CONFIDENTIALITY

The LAB will treat all information regarding work performed for CUSTOMER as proprietary and confidential. No CUSTOMER information will be released to third persons without the written request of the CUSTOMER.

LIMITATION OF LIABILITY AND WARRANTY

The LAB gives no warranty, express or implied, or of fitness for a particular purpose, in connection with its analytical testing or reporting. Any liability of the LAB to CUSTOMER or any third party shall be limited to the cost of analysis charged to CUSTOMER.

PAST DUE ACCOUNTS

Credit line account are payable within 30 days. Accounts that are 60 days past due will incur 1 1/2% per month on all past due sums until paid in full and will automatically default to cash on delivery (COD). Reports will not be released unless payment on past and current invoices are received. Customer agrees to pay the interest as a service charge and all the LAB's collection costs, including reasonable attorney fees.

EXPERT TESTIMONY AND COURT APPEARANCES

In the event CUSTOMER requires the further written opinion or testimony of any employee of the LAB, including response to a subpoena issued by CUSTOMER or any third person, CUSTOMER agrees to pay such additional fees and expenses as may be reasonably assessed by the LAB.

ALTERNATIVE DISPUTE RESOLUTION (ADR)

Any disputes arising out of this Agreement or the analytical testing or reporting by the LAB shall be settled through mediation and/or arbitration rather than litigation, and the cost of the ADR shall be borne equally by both parties.

APPLICABLE LAW

Legal matters arising from work performed by the LAB for CUSTOMER will be construed and interpreted in accordance with the laws for the state of Oregon. When sending, transferring, or submitting samples, the CUSTOMER assumes full responsibility for complying with all applicable state and federal laws.



This report cannot be used for ODA, OHA or OLCC compliance requirements.

12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

19-011302

ORELAP ID: OR100028

Company: Sustainable Labs, Inc.		Analysis Requested												Purchase Order Number:			
Contact: Lisa Feldt		PO# NV7280590 Billing: Sustainable Labs, Inc. 1777 Sun Peak Drive Park City, UT 84098 Attn: Jacque Robins jrobins@nutracorp.com												Project Number:			
Address: 1777 Sun Peak Drive, Park City, UT														Project Name:			
Email: lfeldt@nutracorp.com														☐ Report Instructions: ☐ Send to State - METRC ☒ Email Final Results: ☐ Fax Final Results ☐ Cash/Check/CC/Net 30			
Phone: 801-808-9006 Fax:														Other:			
Processor's License:																	
please email results to lfeldt@nutracorp.com																	
Field ID	Date/Time Collected	Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: E. Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Matrix	Weight	Serving size for edibles	Comments/Metric ID
s208995.1 Magnesium Oil Sport Roll On	9-17-19 3:30pm			X										Liquid/Edible			Cannabidiol 95.00 - 135.00 mg/oz (Water Soluble)
s208995.3 Magnesium Oil Sport Roll On	9-17-19 3:30pm										X			Liquid			HM Panel As, Cd, Mg, Pb
s208995.4 Magnesium Oil Sport Roll On	9-17-19 3:30pm								X	X				Liquid			Micro Profile X & Pseudomonas
s208995.5 Magnesium Oil Sport Roll On	9-17-19 3:30pm		X									X		Liquid			Pesticide Expanded & Glyphosates

Collected By: 2C	Relinquished By: Lisa Feldt	Date 9-10-19	Time 3:30	Received by: C/mv	Date 9-18-19	Time 11:30	Lab Use Only: Client Alias: Order Number: Proper Container: Sample Condition: Temperature: Shipped Via: UPS Evidence of cooling: ☒ No
☒ Standard (5 day)							
☐ Rush (3-4 day) (1.5x Standard)							
☐ Priority Rush (2 day) (2x Standard)							

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM

Revision: 2.00 Control#: CF023
Effective 04/29/2019 Revised 04/29/2019

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Page 1 of 2



This report cannot be used for ODA, OHA or OLCC compliance requirements.

12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

PRICING AND CHARGES

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12423 NE Whitaker Way Portland OR 97230 p.503-254-1794 **Cannabis Chain of Custody Record** **PIXIS Labs** A Tentamus Company

19-011302 ORELAP ID: OR100028

Company: Sustainable Labs, Inc.		Analysis Requested										Purchase Order Number:					
Contact: Lisa Feldt		PO# NV7280590 Billing: Sustainable Labs, Inc. 1777 Sun Peak Drive Park City, UT 84098 Attn: Jacque Robins jrobins@nutracorp.com										Project Number:					
Address: 1777 Sun Peak Drive, Park City, UT												Project Name:					
Email: lfeldt@nutracorp.com												☐ Report Instructions: ☐ Send to State - METRC ☒ Email Final Results: ☐ Fax Final Results ☐ Cash/Check/CC/Net 30					
Phone: 801-808-9006 Fax:												Other:					
Processor's License:																	
please email results to lfeldt@nutracorp.com																	
Field ID	Date/Time Collected	Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Matrix	Weight	Serving size for edibles	Comments/Metric ID
s210018.1 Pure Magnesium Oil + CBD	9-17-19 3:30pm		X											Liquid/Edible			Cannabidiol 95.00 - 135.00 mg/oz (Water Soluble)
s210018.3 Pure Magnesium Oil + CBD	9-17-19 3:30pm									X				Liquid			HM Panel As, Cd, Mg, Pb
s210018.4 Pure Magnesium Oil + CBD	9-17-19 3:30pm							X	X					Liquid			Micro Profile X & Pseudomonas
s210018.5 Pure Magnesium Oil + CBD	9-17-19 3:30pm	X										X		Liquid			Pesticide Expanded & Glyphosates

Collected By: 2C	Relinquished By: Lisa Feldt	Date 9-10-19	Time 3:30	Received by:	Date 9-12-19	Time 11:30	Lab Use Only:
☒ Standard (5 day) ☐ Rush (3-4 day) (1.5x Standard) ☐ Priority Rush (2 day) (2x Standard)							Client Alias: Order Number: Proper Container Sample Condition Temperature: 21.6 Shipped Via: UPS Evidence of cooling: ☐ No

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM
 Revision: 2.00 Control#: CF023
 Effective 04/29/2019 Revised 04/29/2019
www.pixislabs.com
www.columbiafoodlab.com



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Cannabis Chain of Custody Record

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**Columbia Food/Pixis Labs
Sample Receipt Form**

Revision: 1.00 Document Control: CF015
Revised: 04/25/2019 Effective: 05/11/2019

Job Number: 19-011302 Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 9-19-19 Time: 11:30

Received By (Initials): JJ

1) Were custody seals on outside of the package/cooler?
If YES, how many and where? _____ YES NO NA

Were signature and date correct? ----- YES NO NA

2) Were custody papers included in the package/cooler? YES NO NA

3) Were custody papers properly filled out (ink, sign, date)? YES NO NA

4) Did you sign custody papers in the appropriate place? YES NO NA

5) How was the package/cooler delivered?

UPS FEDEX USPS CLIENT COURIER OTHER: _____

Tracking Number (written in or copy of shipping label): 1Z A36 348 01 3531 5687

6) Was packing material used? YES NO NA

Peanuts Bubble Wrap Foam Paper Other: _____

7) Was sufficient ice used (if appropriate)?
What kind? YES NO NA

Blue Ice Ice Cooler Packs Dry Ice

8) Were all sample containers sealed in separate plastic bags? YES NO NA

9) Did all sample containers arrive in good condition? YES NO NA

10) Were all sample container labels complete? YES NO NA

11) Did all sample container labels and tags agree with the coc? YES NO NA

12) Were correct sample containers used for the tests indicated? YES NO NA

13) Were VOA vials checked for absence of air bubbles (note if found)? YES NO NA

14) Was a sufficient amount of sample sent in each sample container? YES NO NA

15) Temperature of the samples upon receipt (See SOP for proper temps) 21.6°C

16) Sample location prior to login: R25 R39 R44 F44 Ambient Shelf Cannabis Table Other: _____

Explain any discrepancies: _____

Page 1 of 1



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Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Job Number: 19-011302
Report Number: 19-011302-00
Report Date: 09/26/2019
ORELAP#: OR100028
Purchase Order:
Received: 09/18/19 11:30

This report cannot be used for ODA, OHA or OLCC compliance requirements.

Product identity: s208995.1 Magnesium Oil Sport Roll On **Client/Metric ID:** .
Laboratory ID: 19-011302-0005 **Sample Date:** 09/17/19 15:30

Summary

Potency:

Analyte per 28.35g	Result	Limits	Units	LOQ	
CBD per 28.35g	80.2		mg/28.35g	0.94	CBD-Total per 28.35g 80.2 mg/28.35g
CBDV per 28.35g†	1.23		mg/28.35g	0.94	THC-Total per 28.35g < 1.775 mg/28.3
					(Reported in milligrams per serving)



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Customer: Sustainable Labs, Inc.
1777 Sun Peak Drive
Park City Utah 84060
United States

Product identity: s208995.1 Magnesium Oil Sport Roll On

Client/Metric ID: .

Sample Date: 09/17/19 15:30

Laboratory ID: 19-011302-0005

Relinquished by: Received By Mail

Temp: 21.6 °C

Serving Size #1: 28.35 g

Sample Results

Potency per 28.35g		Batch: 1908526					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 28.35g [†]	< LOQ		mg/28.35g	0.945	09/25/19	J AOAC 2015 V98-6	
CBC-A per 28.35g [†]	< LOQ		mg/28.35g	0.945	09/25/19	J AOAC 2015 V98-6	
CBC-Total per 28.35g [†]	< LOQ		mg/28.35g	1.77	09/25/19	J AOAC 2015 V98-6	
CBD per 28.35g	80.2		mg/28.35g	0.945	09/25/19	J AOAC 2015 V98-6	
CBD-A per 28.35g	< LOQ		mg/28.35g	0.945	09/25/19	J AOAC 2015 V98-6	
CBD-Total per 28.35g	80.2		mg/28.35g	1.77	09/25/19	J AOAC 2015 V98-6	
CBDV per 28.35g [†]	1.23		mg/28.35g	0.945	09/25/19	J AOAC 2015 V98-6	
CBDV-A per 28.35g [†]	< LOQ		mg/28.35g	0.945	09/25/19	J AOAC 2015 V98-6	
CBDV-Total per 28.35g [†]	< LOQ		mg/28.35g	1.76	09/25/19	J AOAC 2015 V98-6	
CBG per 28.35g [†]	< LOQ		mg/28.35g	0.945	09/25/19	J AOAC 2015 V98-6	
CBG-A per 28.35g [†]	< LOQ		mg/28.35g	0.945	09/25/19	J AOAC 2015 V98-6	
CBG-Total per 28.35g [†]	< LOQ		mg/28.35g	1.77	09/25/19	J AOAC 2015 V98-6	
CBL per 28.35g [†]	< LOQ		mg/28.35g	0.945	09/25/19	J AOAC 2015 V98-6	
CBN per 28.35g	< LOQ		mg/28.35g	0.945	09/25/19	J AOAC 2015 V98-6	
Δ8-THC per 28.35g [†]	< LOQ		mg/28.35g	0.945	09/25/19	J AOAC 2015 V98-6	
Δ9-THC per 28.35g	< LOQ		mg/28.35g	0.945	09/25/19	J AOAC 2015 V98-6	
THC-A per 28.35g	< LOQ		mg/28.35g	0.945	09/25/19	J AOAC 2015 V98-6	
THC-Total per 28.35g	< LOQ		mg/28.35g	1.77	09/25/19	J AOAC 2015 V98-6	
THCV per 28.35g [†]	< LOQ		mg/28.35g	0.945	09/25/19	J AOAC 2015 V98-6	
THCV-A per 28.35g [†]	< LOQ		mg/28.35g	0.945	09/25/19	J AOAC 2015 V98-6	
THCV-Total per 28.35g [†]	< LOQ		mg/28.35g	1.76	09/25/19	J AOAC 2015 V98-6	



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Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

Units of Measure

g = Gram

mg/28.35g = Milligram per 28.35g

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

19-011302

ORELAP ID: OR100028

Company: Sustainable Labs, Inc.		Analysis Requested										Purchase Order Number:			
Contact: Lisa Feldt		Pesticides – OR 59 compounds Pesticide Multi-Residue – 379 compounds Potency Residual Solvents Water Activity Moisture Terpenes Micro: Yeast and Mold Micro: E.Coli and Total Coliform Heavy Metals Mycotoxins Other	PO# NV7280590								Project Number:				
Address: 1777 Sun Peak Drive, Park City, UT			Billing: Sustainable Labs, Inc. 1777 Sun Peak Drive Park City, UT 84098 Attn: Jacque Robins jrobins@nutracorp.com								Project Name:				
Email: lfeldt@nutracorp.com											☐ Report Instructions: ☐ Send to State - METRC ☒ Email Final Results: ☐ Fax Final Results ☐ Cash/Check/CC/Net 30				
Phone: 801-808-9006 Fax:											Other:				
Processor's License:															
please email results to lfeldt@nutracorp.com															
Field ID	Date/Time Collected											Matrix	Weight	Serving size for edibles	Comments/Metric ID
s208950.1 Magnesium Oil Night	9-17-19 3:30pm		X									Liquid/Edible			Cannabidiol 95.00 - 135.00 mg/oz (Water Soluble)
s208950.3 Magnesium Oil Night	9-17-19 3:30pm											Liquid			HM Panel As, Cd, Mg, Pb
s208950.4 Magnesium Oil Night	9-17-19 3:30pm						X	X				Liquid			Micro Profile X & Pseudomonas
s208950.5 Magnesium Oil Night	9-17-19 3:30pm	X								X		Liquid			Pesticide Expanded & Glyphosates

Collected By: 2C	Relinquished By: Lisa Feldt	Date 9-10-19	Time 3:30	Received by: Jmv	Date 9-18-19	Time 11:30	Lab Use Only:
☒ Standard (5 day)							Client Alias:
☐ Rush (3-4 day) (1.5x Standard)							Order Number:
☐ Priority Rush (2 day) (2x Standard)							Proper Container
							Sample Condition
							Temperature: 21.6
							Shipped Via: UPS
							Evidence of cooling: ☐ No

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Revision: 2.00 Control#: CF023
Effective 04/29/2019 Revised 04/29/2019

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Page 1 of 2



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Email: lfeldt@nutracorp.com														☐ Report Instructions: ☐ Send to State - METRC ☒ Email Final Results: ☐ Fax Final Results ☐ Cash/Check/CC/Net 30			
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Address: 1777 Sun Peak Drive, Park City, UT														Project Name:			
Email: lfeldt@nutracorp.com														☐ Report Instructions: ☐ Send to State - METRC ☒ Email Final Results: ☐ Fax Final Results ☐ Cash/Check/CC/Net 30			
Phone: 801-808-9006 Fax:														Other:			
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please email results to lfeldt@nutracorp.com																	
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s210018.5 Pure Magnesium Oil + CBD	9-17-19 3:30pm		X									X		Liquid			Pesticide Expanded & Glyphosates

Collected By: 2C	Relinquished By: Lisa Feldt	Date 9-10-19	Time 3:30	Received by:	Date 9-12-19	Time 11:30	Lab Use Only:
☒ Standard (5 day) ☐ Rush (3-4 day) (1.5x Standard) ☐ Priority Rush (2 day) (2x Standard)							Client Alias: Order Number: Proper Container Sample Condition Temperature: 21.6 Shipped Via: UPS Evidence of cooling: ☐ No

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM
 Revision: 2.00 Control#: CF023
 Effective 04/29/2019 Revised 04/29/2019
www.pixislabs.com
www.columbiafoodlab.com

Page 1 of 2



Job Number: 19-011302
Report Number: 19-011302-00
Report Date: 09/26/2019
ORELAP#: OR100028
Purchase Order:
Received: 09/18/19 11:30

This report cannot be used for ODA, OHA or OLCC compliance requirements.

12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record



PRICING AND CHARGES

Prices to be charged for work performed for CUSTOMER are those currently published in the Columbia Food Laboratories, Inc. DBA Pixis Labs (herein referred to as "the LAB", where Columbia Food Laboratories, Inc. & Pixis Labs can be used interchangeably) standard price book unless otherwise agreed in writing by the CUSTOMER and the LAB. CUSTOMER must notify the LAB of price quotation at the time of the transfer of sample(s) to the LAB. Any cancellation of testing requirements will result in charges being assessed on all testing completed prior to the notice of cancellation. Unless otherwise agreed upon, samples containing hazardous material will be shipped back to client at their expense, or disposed of at a certain fee, waste category dependent. New accounts are accepted with full payment in advance by cash, check, Visa or Mastercard. A credit line may be established with an approved credit application.

DELIVERY AND LIABILITY LIMITATIONS

The specific format of the goods will be defined by CUSTOMER to the LAB upon delivery of the sample(s) to the LAB. The LAB will analyze samples provided by CUSTOMER as requested by CUSTOMER in accordance with the procedures documented in the Quality Assurance Plan (QAP). Samples are retained for 30 days after receipt. If additional time is desired, then a written request is required and an additional monthly fee will apply. This price quote is only valid for one year.

CONFIDENTIALITY

The LAB will treat all information regarding work performed for CUSTOMER as proprietary and confidential. No CUSTOMER information will be released to third persons without the written request of the CUSTOMER.

LIMITATION OF LIABILITY AND WARRANTY

The LAB gives no warranty, express or implied, or of fitness for a particular purpose, in connection with its analytical testing or reporting. Any liability of the LAB to CUSTOMER or any third party shall be limited to the cost of analysis charged to CUSTOMER.

PAST DUE ACCOUNTS

Credit line accounts are payable within 30 days. Accounts that are 60 days past due will incur 1 1/2% per month on all past due sums until paid in full and will automatically default to cash on delivery (COD). Reports will not be released unless payment on past and current invoices are received. Customer agrees to pay the interest as a service charge and all the LAB's collection costs, including reasonable attorney fees.

EXPERT TESTIMONY AND COURT APPEARANCES

In the event CUSTOMER requires the further written opinion or testimony of any employee of the LAB, including response to a subpoena issued by CUSTOMER or any third person, CUSTOMER agrees to pay such additional fees and expenses as may be reasonably assessed by the LAB.

ALTERNATIVE DISPUTE RESOLUTION (ADR)

Any disputes arising out of this Agreement or the analytical testing or reporting by the LAB shall be settled through mediation and/or arbitration rather than litigation, and the cost of the ADR shall be borne equally by both parties.

APPLICABLE LAW

Legal matters arising from work performed by the LAB for CUSTOMER will be construed and interpreted in accordance with the laws for the state of Oregon. When sending, transferring, or submitting samples, the CUSTOMER assumes full responsibility for complying with all applicable state and federal laws.



This report cannot be used for ODA, OHA or OLCC compliance requirements.



**Columbia Food/Pixis Labs
Sample Receipt Form**

Revision: 1.00 Document Control: CF015
Revised: 04/25/2019 Effective: 05/11/2019

Job Number: 19-011302 Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 9/18/19 Time: 11:30

Received By (Initials): JD

1) Were custody seals on outside of the package/cooler?
If YES, how many and where? _____ YES NO NA

Were signature and date correct? ----- YES NO NA

2) Were custody papers included in the package/cooler? YES NO NA

3) Were custody papers properly filled out (ink, sign, date)? YES NO NA

4) Did you sign custody papers in the appropriate place? YES NO NA

5) How was the package/cooler delivered?

UPS FEDEX USPS CLIENT COURIER OTHER: _____

Tracking Number (written in or copy of shipping label): 1Z A36 348 01 3531 5687

6) Was packing material used? YES NO NA

Peanuts Bubble Wrap Foam Paper Other:

7) Was sufficient ice used (if appropriate)?
What kind? YES NO NA

Blue Ice Ice Cooler Packs Dry Ice

8) Were all sample containers sealed in separate plastic bags? YES NO NA

9) Did all sample containers arrive in good condition? YES NO NA

10) Were all sample container labels complete? YES NO NA

11) Did all sample container labels and tags agree with the coc? YES NO NA

12) Were correct sample containers used for the tests indicated? YES NO NA

13) Were VOA vials checked for absence of air bubbles (note if found)? YES NO NA

14) Was a sufficient amount of sample sent in each sample container? YES NO NA

15) Temperature of the samples upon receipt (See SOP for proper temps) 21.6°C

16) Sample location prior to login: R25 R39 R44 F44 Ambient Shelf Cannabis Table Other: _____

Explain any discrepancies: _____

Page 1 of 1



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 1908526**

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.00947	0.01	%	94.7	85 - 115	Acceptable	
CBDV	0.00945	0.01	%	94.5	85 - 115	Acceptable	
CBD-A	0.00906	0.01	%	90.6	85 - 115	Acceptable	
CBG-A	0.00939	0.01	%	93.9	85 - 115	Acceptable	
CBG	0.00958	0.01	%	95.8	85 - 115	Acceptable	
CBD	0.00945	0.01	%	94.5	85 - 115	Acceptable	
THCV	0.00950	0.01	%	95.0	85 - 115	Acceptable	
THCVA	0.00974	0.01	%	97.4	85 - 115	Acceptable	
CBN	0.00962	0.01	%	96.2	85 - 115	Acceptable	
THC	0.00997	0.01	%	99.7	85 - 115	Acceptable	
D8THC	0.00893	0.01	%	89.3	85 - 115	Acceptable	
CBL	0.00939	0.01	%	93.9	85 - 115	Acceptable	
CBC	0.00950	0.01	%	95.0	85 - 115	Acceptable	
THCA	0.00986	0.01	%	98.6	85 - 115	Acceptable	
CBCA	0.00911	0.01	%	91.1	85 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDV-A	ND	0.003	%	< 0.003	Acceptable	
CBDV	ND	0.003	%	< 0.003	Acceptable	
CBD-A	ND	0.003	%	< 0.003	Acceptable	
CBG-A	ND	0.003	%	< 0.003	Acceptable	
CBG	ND	0.003	%	< 0.003	Acceptable	
CBD	ND	0.003	%	< 0.003	Acceptable	
THCV	ND	0.003	%	< 0.003	Acceptable	
THCVA	ND	0.003	%	< 0.003	Acceptable	
CBN	ND	0.003	%	< 0.003	Acceptable	
THC	ND	0.003	%	< 0.003	Acceptable	
D8THC	ND	0.003	%	< 0.003	Acceptable	
CBL	ND	0.003	%	< 0.003	Acceptable	
CBC	ND	0.003	%	< 0.003	Acceptable	
THCA	ND	0.003	%	< 0.003	Acceptable	
CBCA	ND	0.003	%	< 0.003	Acceptable	

Abbreviations

ND - None Detected at or above MRL
 RPD - Relative Percent Difference
 LOQ - Limit of Quantitation

Units of Measure:

% - Percent



This report cannot be used for ODA, OHA or OLCC compliance requirements.

J AOAC 2015 V98-6					Batch ID: 1908526			
Sample Duplicate					Sample ID: 19-011153-0001			
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBDV	ND	ND	0.003	%	0	< 20	Acceptable	
CBD-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBG-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBG	0.0205	0.0204	0.003	%	0.489	< 20	Acceptable	
CBD	0.585	0.589	0.003	%	0.681	< 20	Acceptable	
THCV	ND	ND	0.003	%	0	< 20	Acceptable	
THCVA	ND	ND	0.003	%	0	< 20	Acceptable	
CBN	ND	ND	0.003	%	0	< 20	Acceptable	
THC	0.0247	0.0249	0.003	%	0.806	< 20	Acceptable	
D8THC	ND	ND	0.003	%	0	< 20	Acceptable	
CBL	ND	ND	0.003	%	0	< 20	Acceptable	
CBC	0.00459	0.00463	0.003	%	0.868	< 20	Acceptable	
THCA	ND	ND	0.003	%	0	< 20	Acceptable	
CBCA	ND	ND	0.003	%	0	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

% - Percent



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.